

AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS

1.-14. (canceled)

15. (currently amended) A method of treating Intervertebral disk implant, comprising a base plate, a cover plate and an intervertebral disk, wherein the intervertebral disk is seated on the base plate in such a way that translational and rotational movements are possible and said cover plate is seated on the intervertebral disk in such a way that ~~the~~ an articulating surface of the intervertebral disk as well as ~~the~~ an articulating surface of the cover plate are each located on a respective spherical partial surface with the same radii.

16. (previously presented) Intervertebral disk implant according to claim 15, wherein the intervertebral disk consists of polyethylene or titanium or a titanium alloy.

17. (currently amended) Intervertebral disk implant according to claim 15, wherein the base plate and/or the cover plate can be implanted into ~~the~~ a bone or fixed to the bone without cement.

18. (currently amended) Intervertebral disk implant according to claim 16, wherein the base plate and/or the cover plate can be implanted into ~~the~~ a bone or fixed to the bone without cement.

19. (previously presented) Intervertebral disk implant according to claim 15, wherein the base plate and/or the cover plate consist of titanium or a titanium alloy.

20. (previously presented) Intervertebral disk implant according to claim 16, wherein the base plate and/or the cover plate consist of titanium or a titanium alloy.

21. (previously presented) Intervertebral disk implant according to claim 17, wherein the base plate and/or the cover plate consist of titanium or a titanium alloy.

22. (currently amended) Intervertebral disk implant according to claim 15, wherein the base plate and/or the cover plate and/or the intervertebral disk of comprise titanium or titanium alloy, and the base plate and/or the cover plate and/or the intervertebral disk is coated with a ceramic coating.

23. (previously presented) Intervertebral disk implant according to claim 16, wherein the base plate and/or the cover plate and/or the intervertebral disk of titanium or titanium alloy is coated with a ceramic coating.

24. (currently amended) Intervertebral disk implant according to claim 17, wherein the base plate and/or the cover plate and/or the intervertebral disk of comprise titanium or titanium alloy, and the base plate and/or the cover plate and/or the intervertebral disk is coated with a ceramic coating.

25. (previously presented) Intervertebral disk implant according to claim 19, wherein the base plate and/or the cover plate and/or the intervertebral disk of titanium or titanium alloy is coated with a ceramic coating.

26. (previously presented) Intervertebral disk implant according to claim 22, wherein the ceramic coating is titanium-niobium-nitride (Ti-Nb-N).

27. (previously presented) Intervertebral disk implant according to claim 23, wherein the ceramic coating is titanium-niobium-nitride (Ti-Nb-N).

28. (previously presented) Intervertebral disk implant according to claim 24, wherein the ceramic coating is titanium-niobium-nitride (Ti-Nb-N).

29. (currently amended) A method of treating ~~Use of the intervertebral disk implant according to claim 15 for treatment of~~ scoliosis, herniation of intervertebral disk, kyphosis, ruptured disk, black disc, spontaneous deformation, lumbago, deforming spondylosis, age-related hunchback (Witwenbuckel), spondylomyelitis, osteochondrosis, osteofibrosis, spina bifida, lordosis, spondylotosis, clay shoveller's fracture, myelomeningocele, brachialgia, Baastrup's syndrome, vertebral ankylosis, Scheuermann's disease, cervical syndrome, lumbar kyphosis, torticollis, ~~as well as or~~ Bechterew's disease, comprising:

providing the intervertebral disk implant according to claim 15 to a patient in need thereof.

30. (currently amended) A method of treating ~~Use of the intervertebral disk implant according to claim 16 for treatment of~~ scoliosis, herniation of intervertebral disk, kyphosis, ruptured disk, black disc, spontaneous deformation, lumbago, deforming spondylosis, age-related hunchback (Witwenbuckel), spondylomyelitis, osteochondrosis, osteofibrosis, spina bifida, lordosis, spondylotosis, clay shoveller's fracture, myelomeningocele, brachialgia, Baastrup's syndrome, vertebral ankylosis, Scheuermann's disease, cervical syndrome, lumbar kyphosis, torticollis, ~~as well as or~~ Bechterew's disease, comprising:

providing the intervertebral disk implant according to claim 16 to a patient in need thereof.

31. (currently amended) A method of treating ~~Use of the intervertebral disk implant according to claim 17 for treatment of scoliosis, herniation of intervertebral disk, kyphosis, ruptured disk, black disc, spontaneous deformation, lumbago, deforming spondylosis, age-related hunchback (Witwenbuckel), spondylomyelitis, osteochondrosis, osteofibrosis, spina bifida, lordosis, spondylotosis, clay shoveller's fracture, myelomeningocele, brachialgia, Baastrup's syndrome, vertebral ankylosis, Scheuermann's disease, cervical syndrome, lumbar kyphosis, torticollis, as well as or~~ Bechterew's disease, comprising:

providing the intervertebral disk implant according to claim 17 to a patient in need thereof.

32. (currently amended) A method of treating ~~Use of the intervertebral disk implant according to claim 19 for treatment of scoliosis, herniation of intervertebral disk, kyphosis, ruptured disk, black disc, spontaneous deformation, lumbago, deforming spondylosis, age-related hunchback (Witwenbuckel), spondylomyelitis, osteochondrosis, osteofibrosis, spina bifida, lordosis, spondylotosis, clay shoveller's fracture, myelomeningocele, brachialgia, Baastrup's syndrome, vertebral ankylosis, Scheuermann's disease, cervical syndrome, lumbar kyphosis, torticollis, as well as or~~ Bechterew's disease, comprising:

providing the intervertebral disk implant according to claim 19 to a patient in need thereof.

33. (currently amended) A method of treating ~~Use of the intervertebral disk implant according to claim 22 for treatment of scoliosis, herniation of intervertebral disk, kyphosis, ruptured disk, black disc, spontaneous deformation, lumbago,~~

deforming spondylosis, age-related hunchback (Witwenbuckel), spondylomyelitis, osteochondrosis, osteofibrosis, spina bifida, lordosis, spondylotosis, clay shoveller's fracture, myelomeningocele, brachialgia, Baastrup's syndrome, vertebral ankylosis, Scheuermann's disease, cervical syndrome, lumbar kyphosis, torticollis, ~~as well as or~~ Bechterew's disease, comprising:

providing the intervertebral disk implant according to claim 22 to a patient in need thereof.

34. (currently amended) A method of treating ~~Use of the intervertebral disk implant according to claim 26 for treatment of~~ scoliosis, herniation of intervertebral disk, kyphosis, ruptured disk, black disc, spontaneous deformation, lumbago, deforming spondylosis, age-related hunchback (Witwenbuckel), spondylomyelitis, osteochondrosis, osteofibrosis, spina bifida, lordosis, spondylotosis, clay shoveller's fracture, myelomeningocele, brachialgia, Baastrup's syndrome, vertebral ankylosis, Scheuermann's disease, cervical syndrome, lumbar kyphosis, torticollis, ~~as well as or~~ Bechterew's disease, comprising:

providing the intervertebral disk implant according to claim 26 to a patient in need thereof.